

Claims:

- 1 A vehicle glazing comprising
a pane of tinted glass,
said glass having a colourant portion including 1.0 to 1.8 % (by weight of the glass)
of total iron (calculated as Fe_2O_3), 100 to 270 ppm by weight of cobalt oxide
(calculated as Co_3O_4) and selenium (calculated as Se) in an amount less than 20 ppm
by weight, and a low emissivity coating on the interior surface of the pane.
- 2 A vehicle glazing as claimed in claim 1 wherein the coating has an emissivity in the
range from 0.05 to 0.45.
- 3 A vehicle glazing as claimed in claim 1 or claim 2 wherein the coating includes a
transparent conductive oxide.
- 4 A vehicle glazing as claimed in claim 3 wherein the coating further includes a
dopant.
- 5 A vehicle glazing as claimed in claim 1 or claim 2 wherein the coating includes a
metal layer and at least one dielectric layer.
- 6 A vehicle glazing as claimed in any preceding claim wherein the pane of tinted glass
is toughened glass.
- 7 A vehicle glazing as claimed in any preceding claim wherein the pane of tinted glass
has a thickness in the range from 1.5 mm to 8 mm.
- 8 A vehicle glazing as claimed in any preceding claim wherein the pane of tinted glass
includes 0.05 to 1.6 % by weight of ferrous oxide (calculated as FeO).
- 9 A vehicle glazing as claimed in any preceding claim wherein the pane of tinted glass
includes up to 500 ppm by weight of nickel oxide (calculated as NiO).

- 10 A vehicle glazing as claimed in any preceding claim having a visible light transmission of 50 % or less and a transmitted energy of 30 % or less.
- 11 A laminated glazing, for use in a vehicle, comprising two plies of glass with a sheet of interlayer laminated therebetween, wherein at least one ply of glass or the sheet of interlayer material is body tinted, and a low emissivity coating on the interior surface of the glazing.
- 12 A laminated glazing as claimed in claim 11 comprising
a ply of tinted glass,
said glass having a colourant portion including 0.5 to 4.0 % (by weight of the glass) of total iron (calculated as Fe_2O_3),
a further ply of glass and a sheet of interlayer material laminated therebetween,
and a low emissivity coating on the interior surface of the glazing.
- 13 A laminated glazing according to claim 11 comprising
an outer ply of glass, an inner ply of glass and a sheet of body-tinted interlayer material laminated therebetween, and
a low emissivity coating on the interior surface of the glazing.
- 14 A laminated glazing as claimed in any of claims 11 to 13 wherein the glazing has a thickness in the range from 3 mm to 10 mm.
- 15 A laminated glazing as claimed in claim 14 wherein each ply has a thickness in the range from 1.5 mm to 5 mm.
- 16 A laminated glazing as claimed in any of claims 11 to 15 wherein the sheet of interlayer material is transparent and comprises polyvinylbutyral.
- 17 A laminated glazing as claimed in claim 16 wherein the sheet of interlayer material is tinted to have a visible light transmission of 35 % or less.

- 18 A laminated glazing as claimed in any of claims 11 to 17 wherein the sheet of interlayer material is tinted to have a visible light transmission of 35 % or less and a transmitted energy of 25 % or less at a thickness of 0.76 mm.
- 19 A laminated glazing as claimed in any of claims 11 to 17 wherein the sheet of interlayer material is infra-red absorbing.
- 20 A laminated glazing as claimed in any of claims 11 to 19 wherein at least one ply of glass is clear glass.
- 21 A laminated glazing as claimed in any of claim 12 and claims 14 to 19 as dependent on claim 12 wherein the further ply of glass is tinted glass which has a colourant portion including 0.5 to 4.0 % (by weight of the glass) of total iron (calculated as Fe_2O_3), 0.05 to 1.6 % by weight of ferrous oxide (calculated as FeO), 5 to 350 ppm by weight of cobalt oxide (calculated as Co_3O_4), a visible light transmission of 75 % or less and a transmitted energy of 45 % or less at 2.1 mm.
- 22 A laminated glazing as claimed in any of claim 12 and claims 14 to 19 as dependent on claim 12 wherein the further ply of glass is tinted glass which has a colourant portion including 0.4 to 4.0 % (by weight of the glass) of total iron (calculated as Fe_2O_3), 0.05 to 1.6 % by weight of ferrous oxide (calculated as FeO), a visible light transmission of 88 % or less and a transmitted energy of 72 % or less at 2.1 mm.
- 23 A laminated glazing as claimed in any of claims 11 to 22 having a visible light transmission of 35 % or less and a transmitted energy of 20 % or less.
- 24 A laminated glazing as claimed in any of claims 11 to 22 having a visible light transmission of 70 % or more and a transmitted energy of 60 % or less.

- 25 A laminated glazing as claimed in any of claims 11 to 24 wherein at least one ply of glass is clear glass, or tinted glass having a colourant portion comprising 0.4 to 4.0 % (by weight of the glass) of total iron (calculated as Fe_2O_3) and 0.05 to 1.6 % by weight of ferrous oxide (calculated as FeO).
- 26 A laminated glazing as claimed in any of claims 11 to 25 having a visible light transmission of 50 % or less and a transmitted energy of 30 % or less.
- 27 Use of a glazing as claimed in any of the preceding claims as a roof glazing.
- 28 Use of a laminated glazing as claimed in claim 11, 12 or 13 as a windscreen.
- 29 A laminated vehicle roof glazing, being a glazing as claimed in claim 11, comprising an outer ply of tinted glass and inner ply of clear glass carrying a low emissivity coating,
- 30 A laminated vehicle roof glazing, being a glazing as claimed in claim 11, wherein the sheet of interlayer materials is body tinted.
- 31 A laminated vehicle roof glazing as claimed in claim 29 or claim 30 wherein the low emissivity coating is a pyrolytic coating,
- 32 A laminated vehicle roof glazing as claimed in any of claims 29 to 31 having a visible light transmission of at least 15% and a total solar heat transmission not greater than 15% greater than its light transmission.
- 33 A vehicle glazing substantially as hereinbefore described with reference to and as shown in the accompanying drawings.
- 34 A laminated glazing substantially as hereinbefore described with reference to and as shown in the accompanying drawings.